

White Papers

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White Paper Archives

Angles of View: Digital Cinema - Take 1

By M. Kim Milliken (provided by Da-Lite)

The Influence of Digital Cinema as it progresses on pro AV. More [PDF, 21KB](#)

Angles of View: Watching Technology - a Moving Target

By M. Kim Milliken (provided by Da-Lite)

A look at the changing role of visual display systems. More [PDF, 21KB](#)

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What it takes to make audio work in distance learning classrooms. More [PDF, 79KB](#)

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How microphones and mixers are applied to meeting facility sound situations. More [PDF, 627KB](#)

The Companion Guide to Wireless Microphone Systems

(provided by Telex 2003)

A description of the technologies behind Telex/Electro-Voice® microphones. More [PDF, 583KB](#)

Calculating and Conveying the True Cost of Ownership of Projection Displays

(provided by Digital Projection, Inc.)

How you can calculate true cost of ownership information for your clients, in order to help them recognize all of the costs associated with projector ownership. More

Comparing Diversity Reception Techniques

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Designing Conference Systems with AEC

(provided by Biamp Systems)

This technical paper summarizes Acoustic Echo Cancellation (AEC) and discusses related design guidelines and troubleshooting. More

Digital Transition Survival Guide

(provided by Blonder Tongue Laboratories Inc.)

How to provide signal to televisions in professional/industrial/educational environments before, during and after the upcoming FCC mandated digital transition on February 17, 2009. The guide breaks down digital broadband systems into their basic building blocks so that even the most complex systems are easy to understand.[More](#)

Essentials of Control for Videoconference Part 1

By Scott Sharer, CTS, BA, MFA A guide for anyone responsible for mapping out, specifying, integrating, configuring, designing and programming the functional Control Systems for visual presentation and videoconference spaces(s) and systems.[More](#)

Essentials of Control for Videoconference Part 2

By Scott Sharer, CTS, BA, MFA A guide for anyone responsible for mapping out, specifying, integrating, configuring, designing and programming the functional Control Systems for visual presentation and videoconference spaces(s) and systems.[More](#)

Guidelines for Protection of Intellectual Property

(provided by William Rambo and Stephen D. Strauss, Attorneys) *The White Paper outlines the types of intellectual property that are commonly found in the AV Industry and how their owners may protect their property from infringement by others.*[More](#)

Guidelines for VTC Presentations and Presenters

By Scott Sharer, CTS, BA, MFA

A definitive white paper for end users and trainers who communicate via videoconferencing. If you want to communicate effectively and clearly, this is the paper you want to read to ensure a trouble-free conference.[More](#) [PDF, 58KB](#)

Image Sticking and Burn-in in Flat Panel Displays

By Goran Stojmenovik, Ph.D. (provided by Barco)

This White Paper demystifies the myths associated with the terms "image retention," "image sticking," and "burn-in."[More](#) [PDF, 437KB](#)

Infrastructure – Designing Value Into the Future

By John Pfeiderer, MA, CTS-D (Provided by *INS Asia*)

-appeared in *INS Asia* February/March 2006

An in-depth look at conveyance infrastructure design including standards, kind of conveyance, conduit sizes needed for AV installations and more.[More](#) [PDF, 105KB](#)

Integrating Interactive Technologies into University Pedagogy

By Randy Jackson, Ph.D., University of Washington, Seattle

Up to 80% of our campus instruction still comes in the form of tried-and-true sage-on-the-stage lecturing. The White Paper investigates the promise and challenge of integrating technologies that support interactive experiences into our learning environments.[More](#) [PDF, 52KB](#)

Interactive Digital Signage

By Anthony Uhrick (provided by NextWindow)

With interactive digital signage (iDS), one can deploy "adaptive advertising" offering the ability to adjust the content based on user inputs while providing a measurement tool to gauge the effectiveness of the ad campaign.[More](#)

Large Multichannel Wireless Microphone Systems

By Joe Ciaudelli (provided by Sennheiser Electronic Corporation)

In depth planning of large multi-channel systems for wireless microphones.[More](#) [PDF, 210KB](#)

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(provided by BOXLIGHT)

How visuals such as projections can facilitate learning. More [PDF, 16KB](#)

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A brief look at the many benefits of networking projectors. More

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By Ron Ohlhaber (provided by Dukane)

Projector light output and the effects of ambient or background light from other sources in the room. More [PDF, 29KB](#)

Prominent & Baffling Circuit-Switched/ISDN Anomalies in H.320 Videoconferencing

By Scott Sharer, CTS, BA, MFA

Possible causes and solutions for certain performance problems when using an H.320 videoconference terminal over ISDN connections. More [PDF, 309KB](#)

Purchasing a Projector for Education

(provided by BOXLIGHT)

Basic features that educators need to consider when buying a projector. More [PDF, 35KB](#)

Reaching Learners: Immersive Education through Interactive Multimedia

By Lynn V. Marentette, Sp.A., NCSP and Anthony Uhrick, VP Sales & Marketing, NextWindow

The value of an immersive approach to education, using multimedia technologies, over traditional classroom environments More [PDF, 73KB](#)

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By Alfred T. DeMaria, Esq., Clifton Budd & DeMaria, LLP

What role will AV certification take in the near future? More [PDF, 59KB](#)

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By Bradley A. Malone, PMP, Twin Star Consulting Company

Characteristics typical to Technical Specialists influence their ability to become effective Project Managers More [PDF, 21KB](#)

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How to choose and use audio signal processors to optimize a sound system. More

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(provided by Shure Incorporated)

How wireless microphone systems work and how to make them work. More [PDF, 828KB](#)

Specifying and Assessing Projected Image Quality

By Greg Jeffreys

A working document for developing a quality standard for the specification and assessment of projected images. More [PDF, 21KB](#)

Simplifying the Recording and Streaming of Rich Media Presentations

By Michael Hoch, VP Research, RampRate, Inc., sponsored by Sonic Foundry

This white paper outlines how rich media is being used to improve productivity, reduce cycle times, and increase access to important training and information. More [PDF, 360KB](#)

Telematics in Asia: Development and Impact

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An overview of the development of Telematics in Asia, and its impact on the automotive industry and other sectors including audiovisual, telecom and media. More

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By Rick Frank (provided by Shure Incorporated)

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(Provided by HaiVision)

What is the impact of the new MPEG/ITU standard and what does it mean for network video systems design. More [PDF, 751KB](#)

The Whole Story Behind Display Specifications and Human Vision, Part 1

By Goran Stojmenovik, Ph.D., (provided by Barco)

This white paper explains some of the basic terms, concepts and confusion issues frequently encountered in the display world. More [PDF, 227KB](#)

The Whole Story Behind Display Specifications and Human Vision, Part 2

By Goran Stojmenovik, Ph.D., (provided by Barco)

A closer look at human vision to explain when a display is perceived as a good display and what are the requirements posed by the human visual system to create a good display. More [PDF, 243KB](#)

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